

Title (en)

Treated coated article and process of treating a coated article

Title (de)

Hitzebehandelter beschichteter Artikel und Verfahren zur Behandlung eines beschichteten Artikels

Title (fr)

Article revêtu traité et procédé de traitement d'un article revêtu

Publication

**EP 2781561 A1 20140924 (EN)**

Application

**EP 14159100 A 20140312**

Priority

US 201313847253 A 20130319

Abstract (en)

A process (100) of treating a coated article (101) and a treated article (107) are disclosed. The process includes providing an article (101) having a MCrAlY coating (105), applying an aluminide treatment (117) onto the MCrAlY coating (105) to form a treated MCrAlY coating (115), and outwardly forming <sup>2</sup>-phase material (109) from the MCrAlY coating (105) into the treatment. The applying is selected from the group consisting of soaking, spraying, brushing, dipping, pouring, pack cementation, vapor deposition, and combinations thereof. The treated article (107) includes a substrate (103) and a treated MCrAlY coating (115) positioned on at least a portion of the substrate (103). The treated MCrAlY coating (115) includes a <sup>2</sup>-phase aluminide (109) in a spray-applied, brush-applied, pour-applied, dip-applied, pack cementapplied, vapor deposit-applied, or soaking-applied treatment.

IPC 8 full level

**C09D 5/00** (2006.01)

CPC (source: EP US)

**C23C 10/26** (2013.01 - EP US); **C23C 28/021** (2013.01 - EP US); **C23C 28/022** (2013.01 - EP US); **C23C 28/028** (2013.01 - EP US); **Y10T 428/12535** (2015.01 - EP US)

Citation (search report)

- [X] US 2005031877 A1 20050210 - GIGLIOTTI MICHAEL FRANCIS X [US], et al
- [X] US 2011076410 A1 20110331 - SKOOG ANDREW JAY [US], et al

Cited by

EP3260574A1; WO2021052704A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2781561 A1 20140924**; **EP 2781561 B1 20160803**; **EP 2781561 B2 20241023**; JP 2014205906 A 20141030; JP 6408771 B2 20181017; US 2014287260 A1 20140925; US 9518325 B2 20161213

DOCDB simple family (application)

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